5-AXIS MACHINING CENTRE UNIFLEX

From the idea to the finished product

UniFlex vertical machining centres are among the best in their class for speed, dynamics, compact design, stability and reliability. Powerful enough for high milling performance, the UniFlex series is available with two, three, four spindles or multiple profiles and features: 5-axis machining, reliably high productivity, highest precision and machining quality, minimal space consumption, simple operation, high stability, high dynamics and easy maintenance.

ADVANTAGES

Benefits of UniFlex

Thanks to its modular design and numerous configuration options, each UniFlex series base machine can be combined to provide a fully customised solution for every challenge.

UniFlex Series benefits:
- High precision and processing performance
- Stable and robust construction
- High machine productivity and lower cost per piece
- Long service life
- 5-axis machining
- 1/2/4 spindle design

UNIOR®
Special Machines

MACHINE DESIGN

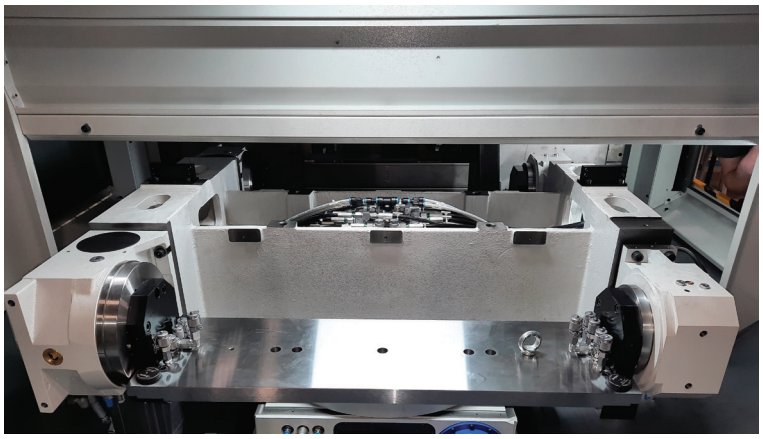
3 Standard versions and optional special versions (on request):

- 1--Spindle 3/4/5-axis machining centre
- 2- Spindle 3/4/5-axis machining centre
- 4-Spindle 3/4/5-axis machining centre
- Special version on request

Table settings:

changing the workpiece during the machining process

- 5-axis version with A-axis
- 4-axis version with single A-axis
- 5-axis version with double A-axis and turn table with B-axis
- 4-axis version with double A-axis and turn table with B-axis cycle time neutral workpiece change



OPTIMUM WORKPIECES

The machine is designed for machining various components for the automotive, tooling, manufacturing and aerospace industries. The machine is best suited for 5-axis machining of forgings or alloys made of steel, cast iron or aluminium alloys.





TECHNICAL DATA

Working area		
X-axis	mm	360
Y-axis	mm	400
Z-axis	mm	360
Working spindle		
max. rev.	U/min	18.000
max. power	kW	15/23
Clamp type	HSK	63
Acceleration		
X-axis	m/s^2	7
Y-axis	m/s^2	6
Z-axis	m/s^2	8
Accuracy		
Position tolerance	mm	<0,01
Position deviation	mm	0,005

Tool magazine		
Magazine		2x 24
Tool length max.	mm	300
Tool diameter	mm	φ140
Controls		
SIEMENS ONE / FANUC		
Cooling		
Through the spindle	l/min	60
Workpiece		
Dimensions	mm	300/300/400
Machine data		
Weight	kg	14.000
Height	mm	2.850
Width	mm	2.000
Length	mm	4.500

Technical data may vary due to specific customer requirements.